

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jefferson O. Nemelka      Group Art Unit: 1741  
 Serial No.: 10/008,645      Examiner: K. Mayekar  
 Filed: 9 November 2001      Docket No.: 153.0074 0104  
 Title: METHODS USING ELECTROPHORETICALLY DEPOSITED PATTERNABLE MATERIAL      Confirmation No.: 7296



1741  
#4  
04/16/02

Assistant Commissioner for Patents  
 Washington, D.C. 20231

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ An itemized return postcard.
- ☐ A Petition for Extension of Time for \_\_ month(s) and a check in the amount of \$\_\_ for the required fee.
- ☒ An Information Disclosure Statement (2 pgs); copies of 2 applications; 1449 forms (2 pgs); and copies of 2 documents cited on the 1449 forms.
- ☐ A check in the amount of \$\_\_, for \_\_.
- ☐ A certified copy of a \_\_ application, Serial No. \_\_, filed \_\_\_\_, the right of priority of which is claimed under 35 U.S.C. §119.
- ☐ Other: \_\_\_\_\_
- ☐ Amendment \_\_ No Additional fee is required. \_\_ The fee has been calculated as shown:

Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims				x \$18 =	
Independent Claims				x \$84 =	
One or More New Multiple Dependent Claims Presented? If Yes, Add \$280 Here →					
Total Additional Claim Fees Required					

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

**CERTIFICATE UNDER 37 C.F.R. §1.8:** The undersigned hereby certifies that this Transmittal Letter and the paper(s), as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 20<sup>th</sup> day of March, 2002.

MUETING, RAASCH & GEBHARDT, P.A.

Customer Number: 26813



26813

PATENT TRADEMARK OFFICE

By:   
 Name: Mark J. Gebhardt  
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(LARGE ENTITY TRANSMITTAL UNDER RULE 1.8)



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Jefferson O. Nemelka	)	Group Art Unit:	1741
		)		
Serial No.:	10/008,645	)	Examiner:	K. Mayekar
Confirmation No.:	7296	)		
		)		
Filed:	9 November 2001	)	Docket No.	153.0074 0104
		)		
For:	METHODS USING ELECTROPHORETICALLY DEPOSITED PATTERNABLE MATERIAL			

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**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington D.C. 20231

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

This application is a continuation of U.S. Patent Application Serial No. 09/639,735, which is a continuation of 09/031,955 (issued as U.S. Patent No. 6,153,075 on 28 November 2000). In accordance with 37 C.F.R. §1.98(d), copies of documents previously cited by or submitted to the U.S. Patent Office in connection with Applicants' prior application(s) listed above, are not included herewith.

Applicant also wishes to bring the Examiner's attention to the following pending U.S. Applications, as well as any prior art and any provisional U.S. patent applications

**Information Disclosure Statement**

Serial No.10/008,645

Filed: 9 November 2001

Title: METHODS USING ELECTROPHORETICALLY DEPOSITED PATTERNABLE MATERIAL



Page 2 of 2

referenced therein. A copy of each of the below-listed pending U.S. Patent Applications is provided herewith.

**List of Pending Non-Published U.S. Patent Applications**

Applicant(s)	Application Number	Filing Date	Serial No. of Provisional Application to which listed Application claims priority
Nemelka	09/639,735	08/16/00	--
Nemelka	09/640,333	08/16/00	--

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

The Examiner is invited to contact Applicant's Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

**CERTIFICATE UNDER 37 C.F.R. 1.8:**

The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 20 day of March, 2002.

  
Mark J. Gebhardt

Respectfully submitted for  
Micron Technology, Inc.

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PATENT TRADEMARK OFFICE

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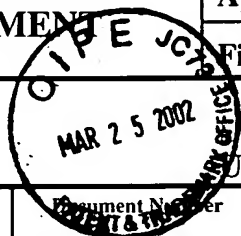
Direct Dial (612)305-1216

Date

20 March 2002

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<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 153.0074 0104	Serial No.: 10/008,645
	Applicant(s): Nemelka	Confirmation No.: 7296
	Filing Date: 9 November 2001	Group: 1741



## U.S. PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		3,387,975	06/11/68	Tamura			
		4,592,816	06/03/86	Emmons et al.			
		4,751,172	06/14/88	Rodriguez et al.			
		4,891,110	01/02/90	Libman et al.			
		5,004,672	04/02/91	D'Ottavio et al.			
		5,196,098	03/23/93	Rodriguez et al.			
		5,205,770	04/27/93	Lowrey et al.			
		5,232,549	08/03/93	Cathey et al.			
		5,459,480	10/17/95	Browning et al.			
		5,466,358	11/14/95	Kiyomiya et al.			
		5,486,126	01/23/96	Cathey et al.			
		5,503,582	04/02/96	Cathey, Jr. et al.			
		5,588,359	12/31/96	Hofmann et al.			
		5,601,751	02/11/97	Watkins et al.			
		5,607,818	03/04/97	Akram et al.			
		5,634,585	06/03/97	Stansbury			
		5,662,831	09/02/97	Chadha			
		5,667,418	09/16/97	Fahlen et al.			
		5,675,212	10/07/97	Schmid et al.			
		5,931,713	08/03/99	Watkins et al.			
	X	6,046,539	04/04/00	Haven et al.			
	X	6,153,075	11/28/00	Nemelka			

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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		NONE						

EXAMINER	Date Considered
<p>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 153.0074 0104	Serial No.: 10/008,645
	Applicant(s): Nemelka	Confirmation No.: 7296
	Filing Date: 9 November 2001	Group: 1741

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

Examiner Initial	Copy Enclosed	Document Description
		Eagle®2005 Developer, Product pamphlet, Shipley Company, Inc. (1991).
		Eagle®2007 Remover, Product pamphlet, Shipley Company, Inc. (1992).
		Eagle®2100 ED Photo Resist, Product pamphlet, Shipley Company, Inc. (1992).
		Jacob, T., et al., "Liquid Resist Allows Land Size Reduction," <i>Electronic Packaging &amp; Production</i> , 36, 27-34 (1996).
		Miller, P., "Inner-Layer Imaging Using a Novel Electrophoretic Resist," NEPCON EAST 1989 Conference, Boston, MA (1989).
		Murray, J., "ED Processes Revisted," <i>PC FAB</i> , 22-23 (1992).
		Shmulovich, J., et al., "Successful Development of Non-Planar Lithography for Micro-Machining Applications," <i>Integrated Photonics Research</i> , 6, 354-357 (1996).
		Vidusek, D., "Electrophoretic Photoresist Technology: An Image of the Future - Today," <i>Circuit World</i> , 15, 6-10 (1989).

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<b>EXAMINER</b>	<b>Date Considered</b>
<p>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	